AUDIO PERFORMANCE
power to perform

MULTI-PURPOSE Series

Self-Powered 2 way DSP controlled Loudspeaker system
PC remote controlled with networking

Audio-Performance MP12-amp

The MP12-amp loudspeaker is a powered system that combines exceptionally accurate reproduction with high SPL output in a very compact multi-purpose enclosure available as mirror symetrical left-right, to form pairs.
The MP12-amp uses a proprietary 12 inch cone low frequency driver mounted in a vented enclosure with carrying handles. The high frequency unit is a 2 inch diaphragm high frequency compression driver couple to a in house designed 40°/ 90°x 60°asymmetrical horn.
A unique Active Speaker Output, ASO, allows the user to connect a slave unit called MP12-S in paralell to the MP12-amp.
The MP12-amp built-in electronics package features a new lightweight, two channel class D audio power amplifier (D2SP) designed specifically for Self-Powered products.

The D2SP amplifier module is a sophisticated switch mode power supply, class-D amplifier design capable of delivering more than 2 x 1'250W RMS into 2 Ohms and adding only 3Kg to the weight of the cabinet.
It incorporates a complete networked 96KHz digital signal processing (DSP) providing loudspeaker specific filtering, EQ, delays and protection functions.
Sophisticated amplifier protection systems continuously monitor all aspects of performance to ensure that the amplifier and associated drivers are always working within their safe operating areas.
With an extraordinary average efficiency of 90%, the system is practically service free.
PodWare PC application provides real time control and monitoring functions to either single units or whole networks of Audio-Performance self-powered loudspeakers through Ethernet CAT5 cable.

IDEAL FOR

Stage Monitoring
for
Musical Instruments
Singing
or
Speech

Side Fill or FOH

Special Features

High power

Self powered

Monitor & FOH presets

Active Speaker Output
ASO

Ethernet Networking

PC remote controlled

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MP12-amp Specifications

ACOUSTICAL

Frequency response (1)	55Hz - 20KHz
Phase response	350Hz - 10Khz + / - 45°
Max. peak SPL (2)	131dB
Coverage	Horizontal: 60°
	Vertical: smoothly changing from 90° to 40°

TRANSDUCERS

Low frequency	1 x 12 inch, ferrofluid cooled, long excursion
High frequency	1 x 2 inch diaphragm, ferrofluid cooled compression driver, loaded with asymetrical horn

AMPLIFIERS

Output power (low) (5)	1'250W (EIAJ-1KHz, 1% THD)
Output power (high) (5)	1'250W (EIAJ-1KHz, 1% THD)
THD, DIM, SMPTE	<0,05%

AUDIO INPUT

Type	Analog Differential balanced input circuit
	Digital via Ethersound Network
Connectors	Female XLR; Male XLR loop
Nominal impedance	10K Ohm
XLR wiring	1: GND, 2: positive, 3: negative

DSP

Sampling rate	96KHz
Basic delay	0.76 ms
Dynamic range	115 dB

NETWORK

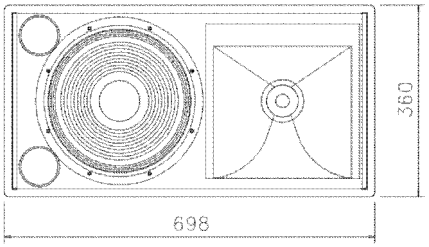
Type	Ethernet
Connector	RJ45 female, RJ45 loop

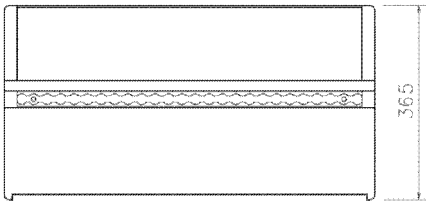
AC power

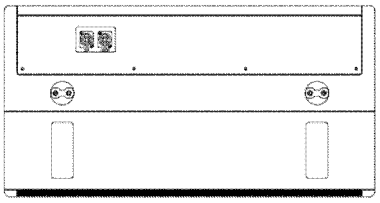
Connectors	Female PowerCon, in; Male PowerCon loop
Input voltage	115V - 250V nominal +/- 10%
Input voltage selection	Automatic

MECHANICAL

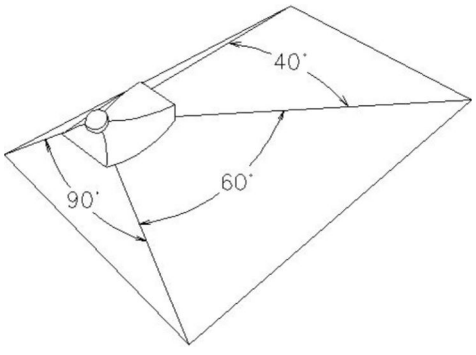
Enclosure:	15 & 18mm plywood
Finish	Black epoxy painted
Dimensions (W x H x D)	698 x 360 x 365mm
Grill	Removable perforated 1,6mm steel, foam cover
Weight	25Kg
Rigging	Aircraft L-track fittings, sides and back

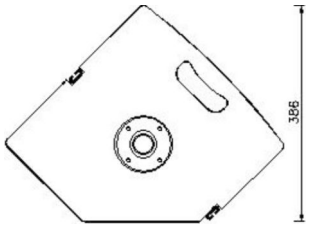






The coverage pattern of the asymmetrical horn.
Vertically 60° and horizontally smoothly changing from 90° to 40°





Low Profil Stage Monitor

In the interest of improving the equipment, AUDIO-PERFORMANCE reserves the right to alter the specification without prior notice.
AP/PAC/March 2008